# Product Details

**Description:** MOUSE ANTI C-MYC:FITC

**Specificity:** C-MYC

**Format:** FITC

**Product Type:** Monoclonal Antibody

**Clone:** 9E10

**Isotype:** IgG1

**Quantity:** 0.1 mg

## Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry (1)</td>
<td></td>
<td></td>
<td></td>
<td>Neat</td>
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</tbody>
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Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) **Membrane permeabilisation is required for this application. Bio-Rad recommends the use of Leucoperm™ (Product Code BUF09) for this purpose.**

## Target Species

**Human**

## Species Cross Reactivity

Reacts with: Epitope tag

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

## Product Form

Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

## Max Ex/Em

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tbody>
<tr>
<td>FITC</td>
<td>490</td>
<td>525</td>
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## Preparation

Purified IgG prepared by affinity chromatography on Protein G

## Buffer Solution

Phosphate buffered saline
Preservative
Stabilisers

0.09% Sodium Azide
1% Bovine Serum Albumin

Approx. Protein
Concentrations

IgG concentration 0.1 mg/ml

Immunogen

Synthetic peptide sequence corresponding to the C-terminal region (residues 408-439) of human c-myc conjugated to keyhole limpet hemocyanin.

External Database
Links

UniProt:
P01106 Related reagents

Entrez Gene:
4609 MYC Related reagents

Synonyms

BHLHE39

RRID

AB_324088

Fusion Partners

Spleen cells from immunised BALB/c mice were fused with cells of the SP2/0 myeloma cell line.

Specificity

Mouse anti c-myc antibody, clone 9E10 detects the p62c-myc proto-oncogene protein, which is involved in the regulation of the cell cycle and cell growth. C-myc is primarily located to the cell nucleus, but has also been shown to localized to the cytoplasm in several cell lines (Craig et al. 1993). Overexpression of c-myc has been reported in a wide variety of human cancers (Nesbit et al. 1999).

Mouse anti c-myc antibody, clone 9E10 recognizes the sequence EQKLISEEDL and may be used to detect proteins and peptides labelled with molecular tags containing this sequence (Hilpert et al. 2001).

Flow Cytometry

Use 10ul of the suggested working dilution to label 1x10^6 cells in 100ul.

References

7. Gohlke, S. et al. (2017) In Vitro and In Vivo Studies on the Structural Organization of

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**Chs3 from Saccharomyces cerevisiae. Int J Mol Sci. 18 (4): pii: E702.**


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Further Reading


Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

Health And Safety Information


Regulatory

For research purposes only

Recommended Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:FITC (MCA928F)

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)